ALUMINUM ELECTROLYTIC CAPACITORS

LP series 85℃ 2000HR

- High Ripple Current And Low Impedance
- Used in Switch Power Supply, Smoothing Circuits.
  AD Adapter, Inverter Lighting System.

SPECIFICATIONS

Item	Performance Characteristics
Operating Temperature Range	－40℃~＋85℃(200~250V) －25℃~＋85℃(315~450V)
Rated Voltage Range	200~450W.V
Capacitance Range	68~2200uF
Capacitance Tolerance	±20% (120Hz , +20℃)
Leakage Current (MAX)	I ≦ $\sqrt[3]{cv}$ After 5 minutes with rated working voltage applied at +20℃ Where: C : Nominal capacitance in uF V : Rated voltage in V
Dissipation Factor (tan δ)	Rated voltage (V) | 160-400 | 420 以上 Tan δ (MAX) | 0.15 | 0.20 (120HZ/ +20℃)
Low Temperature Stability Impedance Ratio	Impedance ratio at 120Hz Rated Voltage (V) | 160-400 | 450 Z(-25℃)/Z(+20℃) | 4 | 8
Load Life	Application of rated voltage for 2000HR at 85℃,the capacitor shall meet the following limits. Capacitance Change ≦ ±20% of the initial measured value tan δ ≦ 200% of the initial specified value Leakage Current ≦ The initial specified value
Shelf Life	After storage it for 1000HR at 85℃ with no voltage applied. The capacitor shall meet the following limits. Capacitance Change ≦ ±15% of the initial measured value tan δ ≦ 150 % of the initial specified value Leakage Current ≦ The initial specified value Pre-treatment for measurements shall be conducted after application of dc working voltage for 30minutes.

MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq(Hz) / W.V	60	120	1K	10~50K
160~250	0.80	1.00	1.15	1.47
315~450	0.80	1.00	1.15	1.47

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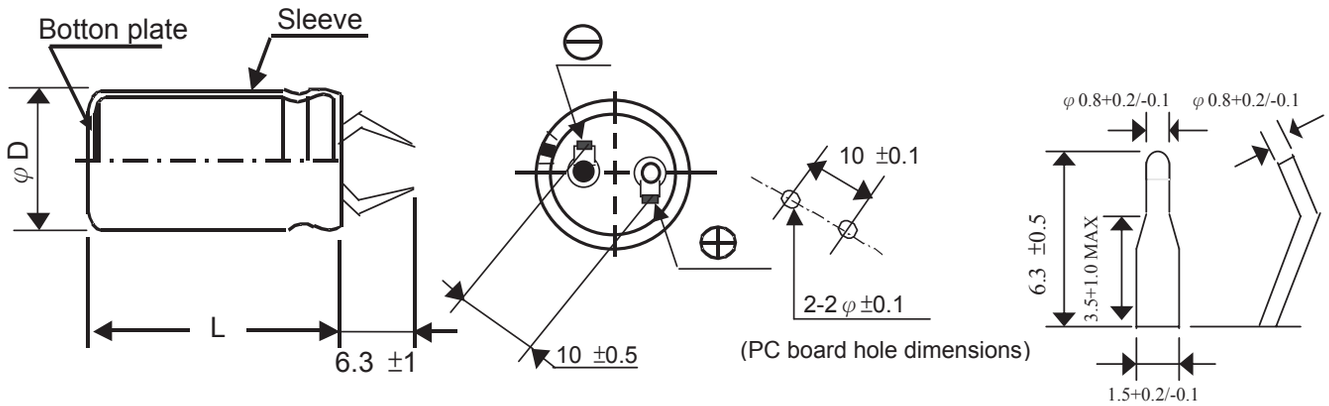
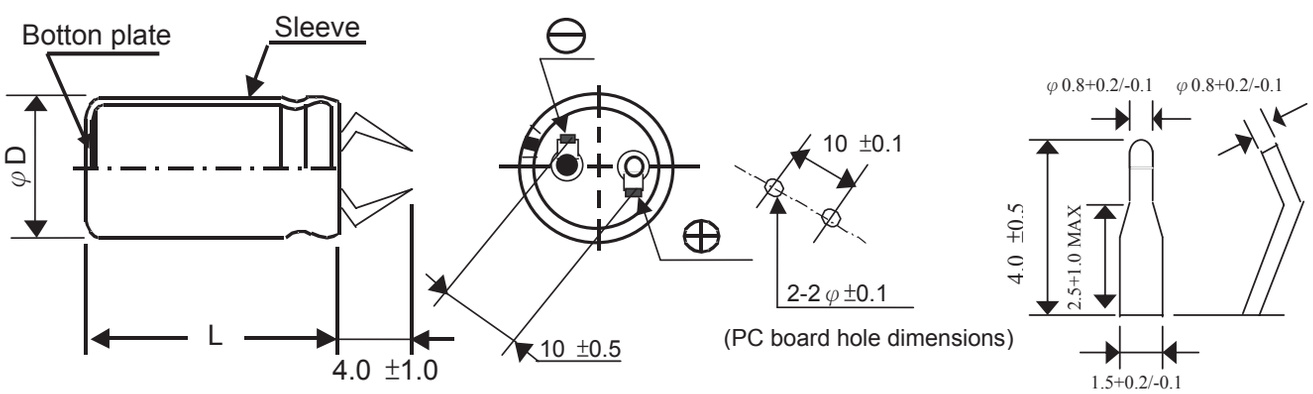
DIMENSIONS (mm)

●TYPE. TB(22≦D≦35)



●TYPE. TC(22≦D≦35)



φD +1.0MAX	22~35					
L ±2.0	25	30	35	40	45	50

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STANDARD SIZES AND PERMISSIBLE RIPPLE CURRENT

DxL(mm) Ripple Current (A 85℃,120Hz) r.m.s

W.V / Cap(uF)		200		220		250		400		420		450	
		2D		2B		2E		2G		2H		2W	
68	680							20x25	0.75	20x25	0.70	20x30 22x25	0.70 0.71
82	820							20x30 22x25	0.82 0.84	20x30 22X25	0.80 0.85	20x35 22x25	0.80 0.86
100	101							20x30 22x30 25x25	0.95 0.99 0.99	20x35 22x30 25X25	0.90 0.97 0.98	22x30 20x35 25x25	0.95 0.88 0.97
120	121							20x35 22x30 25x25	1.07 1.09 1.13	20x35 22x30 25x25	1.04 1.07 1.08	20x40 22x35 25x30 30x25	0.99 1.07 1.09 1.12
150	151							20x40 22x35 25x30	1.22 1.24 1.27	20x45 22x35 25x30 30x25	1.17 1.21 1.26 1.30	22x40 25x30 30x25	1.18 1.25 1.29
180	181			20x25	1.11	20x25	1.20	22x40 25x30 30x25	1.41 1.44 1.52	22x40 25x35 30x25	1.33 1.42 1.48	22x45 25x35 30x30	1.32 1.40 1.45
220	221	20x25	1.19	20x25 22x25	1.23 1.30	22x25 20x30	1..24 1.26	22x45 25x35 30x30	1.58 1.64 1.66	22x45 25x35 30x30	1.55 1.58 1.65	25x40 30x30 35x30	1.59 1.64 1.66
270	271	22x25 20x30	1.37 1.39	22x25 20x30	1.42 1.46	22x30 20x30	1.50 1.42	25x40 30x30	1.79 1.82	25x40 30x35 35x30	1.74 1.90 1.94	25x45 30x35 35x30	1.73 1.89 1.90
330	331	20x30 22x25	1.56 1.51	22x30 25x25 20x35	1.59 1.59 1.64	20x35 22x30 25x25	1.68 1.66 1.61	25x45 30x35 35x30	2.00 2.05 2.05	25x50 30x35 35x35	2.20 1.98 2.17	30x45 35x35	2.12 2.15
390	391	22x30 20x35 25x25	1.73 1.74 1.71	20x40 22x35 25x25	1.79 1.80 1.75	20x40 22x35 25x30	1.92 1.88 1.88	30x40 35x35	2.26 2.28	30x40 35x35	2.22 2.27	30x45 35x40	2.35 2.38
470	471	20x40 22x30 25x30	2.03 1.97 1.95	22x35 25x30 30x25	2.06 2.08 2.16	22x40 25x35 30x25	2.15 2.15 2.04	30x45 35x40	2.51 2.54	30x45 35x40	2.50 2.61	35x45	2.68
560	561	22x40 25x30 30x25	2.18 2.15 2.15	22x40 25x35 30x25	2.22 2.38 2.18	22x45 25x35 30x30	2.48 2.35 2.35	35x45	2.85	35x45	2.95		
680	681	22x45 25x35 30x30	2.48 2.48 2.48	22x45 25x40 30x30	2.62 2.56 2.52	25x40 30x35	2.67 2.71	35x50	3.10				
820	821	22x50 25x40 30x30	2.81 2.79 2.75	30x35 25x45 35x30	2.84 2.91 2.79	30x35 35x30 25x50	2.98 2.96 3.01						
1000	102	25x45 30x35 35x30	3.28 3.15 3.25	25x50 30x40 35x30	3.53 3.36 3.29	30x45 35x35	3.56 3.48						
1200	122	25x50 30x40 35x35	3.61 3.61 3.57	30x45 35x35	3.72 3.68	30x50 35x40	3.99 3.84						
1500	152	30x45 35x40	4.13 4.06	35x40	4.10	35x45	4.33						
1800	182	35x45	4.59	35x45	4.52	35x50	4.54						
2200	222	35x50	5.25										